WHAT IS CLAIMED IS:

1. An information processing system for receiving and processing data transmitted from a transmission device which wirelessly transmits operation information, comprising:

a receiving device for receiving data transmitted from any said transmission device and outputting the received data, and

a processing device for performing a process based on the data outputted from the receiving device,

wherein the receiving device includes:

a receiving section for receiving data transmitted from any said transmission device,

a criterion setting section for setting therein a criterion concerning processing of received data, and

a determination section for determining whether or not the data received by the receiving section complies with the criterion which is set in the criterion setting section, and only outputting data which complies with the criterion to the processing device,

wherein the processing device includes a processing section for performing a process which is in accordance with the operation information based on the data outputted from the receiving device, and

wherein the receiving device and/or the processing

device further includes a criterion changing section for changing the criterion which is set in the criterion setting section.

2. The information processing system according to claim 1, wherein the criterion which is set in the criterion setting section is set in such a manner that only data which is in accordance with the processing device is outputted from the determination section.

3. The information processing system according to claim 1, wherein the criterion changing section included in the processing device further includes a control information sending section for sending to the receiving device control information for changing the criterion which is set in the criterion setting section, and

wherein the determination section further determines whether or not the data received by the receiving section complies with the criterion which is set in the criterion setting section, and outputs only data which complies with the criterion to the processing device.

4. The information processing system according to claim 3, wherein the control information sending section sends the control information to the receiving device to ensure that only data which is in accordance with a process to be performed is

outputted from the determination section.

5. The information processing system according to claim 3, wherein the receiving section receives via time-sharing the data transmitted from any plurality of said transmission devices, and

wherein the control information sending section sends the control information to the receiving device to ensure that the data received by the receiving section via time-sharing is outputted to the processing device.

6. The information processing system according to claim 3, wherein at least information concerning an identification code of the transmission devicetransmitted as data together with the operation information is set as the criterion in the criterion setting section, and

wherein the determination section determines whether or not the identification code contained in the data received by the receiving section and the information concerning the identification code which is set in the criterion setting section satisfy a predetermined relationship.

7. The information processing system according to claim 6, wherein the information concerning the identification code which is set in the criterion setting section is based on the

identification code transmitted together with the operation information which is first received by the receiving section.

8. The information processing system according to claim 3, wherein the receiving device further includes a display section for indicating an interfered state in response to a result of the determination by the determination section.

9. The information processing system according to claim 3, wherein the processing device is capable of executing a first program for performing a process which is based on the data transmitted from first said transmission device and a second program for performing a process which is based on the data transmitted from second said transmission device, and

wherein the control information sending section sends first control information for setting a criterion corresponding to the first transmission device when the first program is executed by the processing device, and second control information for setting a criterion corresponding to the second transmission device when the second program is executed by the processing device, to the receiving device.

10. The information processing system according to claim 9, wherein the first control information is information for setting one specific said transmission device as the first

transmission device, and

wherein the second control information is information for setting a specific plurality of said transmission devices as the second transmission devices.

11. The information processing system according to claim 9, wherein the first transmission device which is set by the first control information is of a type different from the type of the second transmission device which is set by the second control information.

12. The information processing system according to claim 3, wherein the receiving device is detachable from the processing device.

13. The information processing system according to claim 3, wherein the transmission device is separable into an inputting section for inputting operation data and a transmission section for generating transmission data from the operation data and wirelessly transmitting the transmission data.

14. An information processing system for receiving and processing data transmitted from a transmission device which wirelessly transmits operation information, comprising:

a receiving device for receiving data transmitted from

any said transmission device and outputting the received data, and

a processing device for performing a process based on the data outputted from the receiving device,

wherein the receiving device includes:

a receiving section for receiving data transmitted from any said transmission device,

a criterion setting section for setting therein a criterion concerning processing of received data, and

a determination section for determining whether or not the data received by the receiving section complies with the criterion which is set in the criterion setting section, and only outputting data which complies with the criterion to the processing device,

wherein the processing device includes:

a processing section for performing a process which is in accordance with the operation information based on the data outputted from the receiving device,

an identification code storage section for setting therein an identification code of the transmission device transmitted as data together with the operation information,

an identification code determination section for determining whether or not the identification code contained in the data outputted from the receiving device and information concerning the identification code which is set in the

identification code storage section satisfy a predetermined relationship, and

a criterion changing section for changing the criterion which is set in the criterion setting section,

wherein the criterion changing section further includes a control information sending section for sending to the receiving device control information for changing the criterion which is set in the criterion setting section, and

wherein the processing section performs a process which is in accordance with the operation information based on data which is among the data outputted from the receiving device and which is determined by the identification code determination section as satisfying the predetermined relationship.

15. The information processing system according to claim 14, wherein the identification code is set in the identification code storage section based on a plurality of said operation information.

16. The information processing system according to claim 15, wherein the processing device further includes an operation procedure display section for indicating a procedure of a plurality of operations for deriving the plurality of operation information, and

wherein the identification code of the plurality of

operation information which comply with the procedure of the plurality of operations indicated by the operation procedure display section is set in the identification code storage section.

17. An information processing system for receiving and processing data transmitted from a transmission device which wirelessly transmits operation information, comprising:

a receiving device for receiving data transmitted from any said transmission device and outputting the received data, and

a processing device for performing a process based on the data outputted from the receiving device,

wherein the receiving device includes:

a receiving section for receiving data transmitted from any said transmission device,

a criterion setting section for setting therein a criterion concerning processing of received data, and

a determination section for determining whether or not the data received by the receiving section complies with the criterion which is set in the criterion setting section, and only outputting data which complies with the criterion to the processing device,

wherein the processing device includes:

a processing section for performing a process which is in accordance with the operation information based on the data

outputted from the receiving device, and

an identification code storage section for setting therein an identification code of the transmission device transmitted as data together with the operation information,

wherein the receiving device and/or the processing device further includes a criterion changing section for changing the criterion which is set in the criterion setting section,

wherein the criterion changing section further includes a control information sending section for sending to the receiving device control information for changing the criterion which is set in the criterion setting section,

wherein the control information sending section sends the control information with the identification code contained therein to the receiving device, and

wherein the determination section determines whether or not the identification code contained in the data received by the receiving section and information concerning the identification code contained in the control information satisfy a predetermined relationship, and outputs only data which complies with the relationship to the processing device.

18. The information processing system according to claim 17, wherein the identification code is set in the identification code storage section based on a plurality of said operation information.

19. The information processing system according to claim 18, wherein the processing device further includes an operation procedure display section for indicating a procedure of a plurality of operations for deriving the plurality of operation information, and

wherein the identification code of the plurality of operation information which comply with the procedure of the plurality of operations indicated by the operation procedure display section is set in the identification code storage section .

20. A game system for transmitting and receiving data via wireless communication, comprising:

a game controller for wirelessly transmitting information of a game operation inputted from a user as data,

a receiving unit for receiving data transmitted from any said game controller and outputting the received data, and

a game apparatus for performing a process based on the data outputted from the receiving unit,

wherein the game controller includes:

an operation section via which a game operation is inputted by a user, and

a transmission unit for wirelessly transmitting as data the information of the game operation inputted to the operation section,

wherein the receiving unit includes:

a receiving section for receiving data transmitted from any said transmission unit,

a criterion setting section for setting therein a criterion concerning processing of received data, and

a determination section for determining whether or not the data received by the receiving section complies with the criterion which is set in the criterion setting section, and only outputting data which complies with the criterion to the game apparatus,

wherein the game apparatus includes a processing section for performing a process which is in accordance with information of a game operation based on the data outputted from the receiving unit, and

wherein the receiving unit and/or the game apparatus further includes a criterion changing section for changing the criterion which is set in the criterion setting section.

21. The game system according to claim 20, wherein the criterion which is set in the criterion setting section is set in such a manner that only data which is in accordance with the game apparatus is outputted from the determination section.

22. The game system according to claim 20, wherein the game controller further includes a first identification code

storage section for storing an identification code of itself,

wherein the criterion changing section included in the game apparatus further includes a control information sending section for sending to the receiving unit control information for changing the criterion which is set in the criterion setting section,

wherein the transmission unit transmits information concerning the identification code as data, together with the information of the game operation,

wherein a criterion concerning processing of received data, with at least the information concerning the identification code being contained in the criterion, is set in the criterion setting section, and

wherein the determination section further determines whether or not the identification code contained in the data received by the receiving section and the information concerning the identification code which is set in the criterion setting section satisfy a predetermined relationship, and outputs only data which complies with the criterion to the game apparatus.

23. The game system according to claim 22, wherein the control information sending section sends the control information to the receiving unit to ensure that only data which is in accordance with a game to be performed is outputted from the determination section.

24. The game system according to claim 22, wherein the information concerning the identification code which is set in the criterion setting section is based on the identification code contained in the data which is first received by the receiving section.

25. The game system according to claim 22, wherein the receiving unit further includes a display section for indicating an interfered state in response to a result of the determination by the determination section.

26. The game system according to claim 22, wherein the receiving section receives via time-sharing the data transmitted from any plurality of said transmission units, and

wherein the control information sending section sends the control information to the receiving unit to ensure that the data received by the receiving section via time-sharing is outputted to the game apparatus.

27. The game system according to claim 22, wherein the receiving unit is detachable from the game apparatus.

28. The game system according to claim 22, wherein the game controller is separable into the operation section and the first identification code storage section, and the transmission

unit.

29. The game system according to claim 22, wherein the game controller is separable into the operation section, and the transmission unit and the first identification code storage section.

30. A game system for transmitting and receiving data via wireless communication, comprising:

a game controller for wirelessly transmitting information of a game operation inputted from a user as data,

a receiving unit for receiving data transmitted from any said game controller and outputting the received data, and

a game apparatus for performing a process based on the data outputted from the receiving unit,

wherein the game controller includes:

an operation section via which a game operation is inputted by a user,

a transmission unit for wirelessly transmitting as data the information of the game operation inputted to the operation section, and

a first identification code storage section for storing an identification code of itself,

wherein the receiving unit includes:

a receiving section for receiving data transmitted

from any said transmission unit,

a criterion setting section for setting therein a criterion concerning processing of received data, and

a determination section for determining whether or not the data received by the receiving section complies with the criterion which is set in the criterion setting section, and only outputting data which complies with the criterion to the game apparatus,

wherein the game apparatus includes:

a processing section for performing a process which is in accordance with the information of the game operation based on the data outputted from the receiving unit,

a second identification code storage section for setting the identification code therein, and

an identification code determination section for determining whether or not the identification code contained in the data outputted from the receiving unit and information concerning the identification code which is set in the second identification code storage section satisfy a predetermined relationship,

wherein the receiving unit and/or the game apparatus further includes a criterion changing section for changing the criterion which is set in the criterion setting section,

wherein the criterion changing section further includes a control information sending section for sending to the

receiving unit control information for changing the criterion which is set in the criterion setting section,

wherein the transmission unit transmits information concerning the identification code as data, together with the information of the game operation, and

wherein the processing section performs a process which is in accordance with the information of the game operation based on data which is among the data outputted from the receiving unit and which is determined by the identification code determination section as satisfying the predetermined relationship.

31. The game system according to claim 30, wherein the identification code is set in the second identification code storage section based on a plurality of said data outputted from the receiving unit.

32. The game system according to claim 31, wherein the game apparatus further includes an operation procedure display section for indicating a procedure of a plurality of operations for deriving the plurality of data, and

wherein the identification code of the plurality of data which comply with the procedure of the plurality of operations indicated by the operation procedure display section is set in the second identification code storage section.

33. A game system for transmitting and receiving data via wireless communication, comprising:

a game controller for wirelessly transmitting information of a game operation inputted from a user as data,

a receiving unit for receiving data transmitted from any said game controller and outputting the received data, and

a game apparatus for performing a process based on the data outputted from the receiving unit,

wherein the game controller includes:

an operation section via which a game operation is inputted by a user,

a transmission unit for wirelessly transmitting as data the information of the game operation inputted to the operation section, and

a first identification code storage section for storing an identification code of itself,

wherein the receiving unit includes:

a receiving section for receiving data transmitted from any said transmission unit,

a criterion setting section for setting therein a criterion concerning processing of received data, and

a determination section for determining whether or not the data received by the receiving section complies with the criterion which is set in the criterion setting section, and only outputting data which complies with the criterion to the game

apparatus,

wherein the game apparatus includes:

a processing section for performing a process which is in accordance with the information of the game operation based on the data outputted from the receiving unit, and

a second identification code storage section for setting the identification code therein,

wherein the receiving unit and/or the game apparatus further includes a criterion changing section for changing the criterion which is set in the criterion setting section,

wherein the criterion changing section further includes a control information sending section for sending to the receiving unit control information for changing the criterion which is set in the criterion setting section,

wherein the transmission unit transmits information concerning the identification code as data, together with the information of the game operation,

wherein a criterion concerning processing of received data, at least containing information concerning the identification code, is set in the criterion setting section,

wherein the control information sending section, sends to the receiving unit the control information containing the identification code which is set in the second identification code storage section, and

wherein the determination section further determines

whether or not the identification code contained in the data received by the receiving section and the information concerning the identification code contained in the control information satisfy a predetermined relationship, and outputs only data which complies with the relationship to the game apparatus.

34. The game system according to claim 33, wherein the identification code is set in the second identification code storage section based on a plurality of said data outputted from the receiving unit.

35. The game system according to claim 34, wherein the game apparatus further includes an operation procedure display section for indicating a procedure of a plurality of operations for deriving the plurality of data, and

wherein the identification code of the plurality of data which comply with the procedure of the plurality of operations indicated by the operation procedure display section is set in the second identification code storage section.